




From: Dave Larsen <dlarsen@reiengineering.com>
Sent: Monday, October 28, 2019 1:17 PM
To: Stoltz, Carrie R - DNR
Subject: Tower Standard - Cost proposal for abandonment of MW18@35-40
Attachments: Abandonment #2.pdf

Follow Up Flag: Follow up
Due By: Tuesday, October 29, 2019 7:00 AM
Flag Status: Completed

Carrie, cost approval request to abandon by over drilling MW18@35-40. The intent is to recover for proper disposal any displaced liquids during the grouting process. Additionally all soil cuttings generated will be containerized and also disposed of properly. Please let me know if you have any questions or concerns regarding this cost approval request.

Thank you,
David N. Larsen P.G
Senior Hydrogeologist / Professional Geologist



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Usual and Customary Standardized Invoice #26

July 2019 - December 2019



RR-111a

PECFA #: 54538-9514-67 Vendor Name: REI
 BRRS #: 03-64-127899 Invoice #:
 Site Name: Tower Standard Invoice Date: 10-28-19 Proposal Date
 Site Address: 14267 Hwy 70, Lac du Flambeau Check #:

U&C Total \$ 2,601.48
 Variance to U&C Total \$ 3,447.76
 Grand Total \$ 6,049.24

| TASK | TASK DESCRIPTION | SERVICES | ACTIVITY CODE | ACTIVITY REFERENCE CODE DESCRIPTION | UNIT | MAX UNIT COST | UNITS | TOTAL MAX |
|----------|--------------------------------------|------------|---------------|---|--------------|---------------|-------|-------------|
| 4 | Waste Disposal | Consultant | WD05 | Consultant Coordination | Site | \$ 141.24 | 2 | \$ 282.48 |
| 4 | Waste Disposal | Commodity | WD10 | GW Sample and/or Purge | Drum | \$ 43.37 | 1 | \$ 43.37 |
| 4 | Waste Disposal | Commodity | WD15 | Drill Cuttings | Drum | \$ 111.39 | 4 | \$ 445.56 |
| 4 | Waste Disposal | Commodity | WD25 | Primary Mob/Demob | Site | \$ 316.47 | 2 | incremental |
| 8 | Well Abandonment | Consultant | WAB05 | Coordination | Site | \$ 162.86 | 1 | \$ 162.86 |
| 8 | Well Abandonment | Consultant | WAB30 | Primary Mob/Demob | Site | \$ 398.48 | 1 | \$ 398.48 |
| 15 | Misc. Drilling Activities & Supplies | | MDT21 | Drum, 55 gal. DOT steel | Each | \$ 56.78 | 5 | \$ 283.90 |
| 34 | Consultant Incremental Mob/Demob | | IMD05 | Incremental Mob/Demob | Site | \$ 295.80 | 2 | \$ 591.60 |
| 36 | Change Order Request | | COR05 | Change Order Request (cost cap exceedance requests) | Change Order | \$ 393.23 | 1 | \$ 393.23 |
| Variance | Well Abandonment | | | | Variance | \$3,447.76 | 1 | \$ 3,447.76 |

Table 1
Variance Request
10-28-19 Proposal Date
Well Abandonment
Tower Standard

| Description | Task | Quantity | Unit Cost | Event | Events | Total Cost |
|---|------|----------|------------|------------|--------|-------------------|
| | | | | | | |
| Overdrill MW18@35-40 | | | | | | |
| Commodity cost to overdrill MW18@35-40 (Gestra) | | 1 | \$2,770.00 | \$2,770.00 | 1 | \$2,770.00 |
| REI Site Time | hour | 6 | \$112.96 | \$677.76 | 1 | \$677.76 |
| | | | | | | \$3,447.76 |

\\reifnp\projects\0900-0999\0903-Tower\903 Proposed Work\2019\Abandonment #2.xlsx\Well Abandonment



| | |
|------------------|--|
| Project: | Lac Du Flambeau Over-Drilling Abandonment |
| Proposal Number: | P19389-60 |
| Site Location: | 14267 Highway 70 West, Lac Du Flambeau, WI |
| Date: | 10/28/2019 |
| Client: | REI Engineering |
| Mileage n/t: | N/A |
| Estimated By: | TRW |

Estimate Based on the Request for Proposal

| Additional Services | | | | | |
|----------------------------|--------------|------------------|-----------------|-------------------|--------------------|
| | Units | Unit Rate | Quantity | Total Est. | Assumptions |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | Total | | \$0.00 | |

Quotation Accepted By:

Print Name and Position

Signature _____

Date _____

10/28/2019